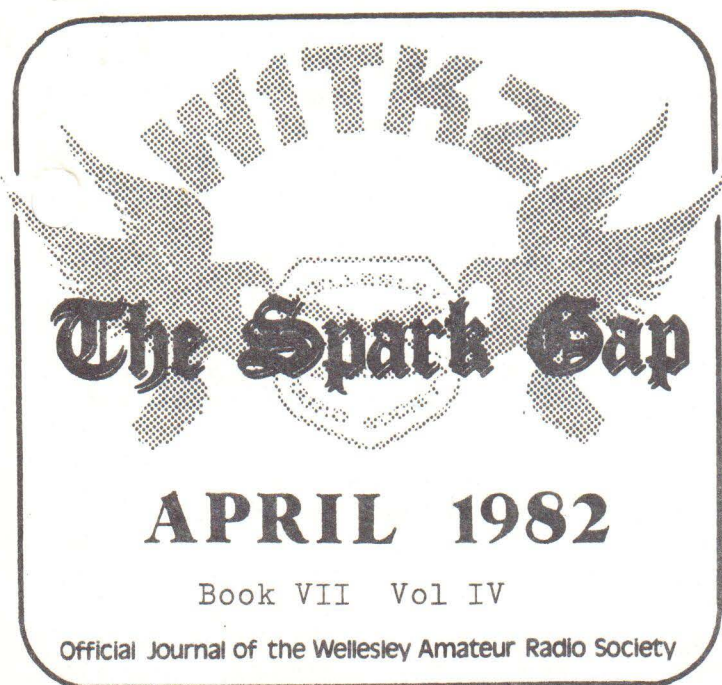




Auction

April is here and with it one of the busiest months of the club year. Our annual auction will be held this year on April 17 at the Wellesley High School on Rice Street, with details pretty much the same as previous years. The only significant change this year is the \$1.00 minimum commission on auction items. This was done at the Honeywell-04/64 auction in Billerica this fall and worked very well for them, so we're hoping to increase our profits by it as well. We will need a better year than last year, by the way, as the school has increased the charge for the cafeteria making the auction's success somewhat questionable. So, please bring something of your own to sell! Next year we will have to seriously investigate a new site which is a shame as the high school cafeteria is the best auction site I've seen, not to mention that it has become well known.

In addition to bringing something to sell, bring yourself for set-up, starting at 9:00 am. With a large number of people the work takes no time at all and you can then spend the majority of the day enjoying the auction.

So, don't forget April 17, 9:00 am at the Wellesley High School. Also, don't forget the pizza party after, paid for out of the proceeds.

Boston Marathon

Only two days after the auction is the Boston Marathon. Monday, April 19 is the date for the 86th running of this internationally famous race. We once again need a large group of participants to cover the many locations required to meet the BAA official's needs. As a participant, you will be involved in race timing (we actually start the race, by the way), transmission of race results as it proceeds, communications between officials, and coordination of vehicles on the race course. There's certainly plenty to do and of course you get to watch the race too, which is pretty interesting in itself. It must be, some one million spectators line the 26 mile course each year.

If you can help out, please contact Dick Paret, WA1ZLQ, as soon as possible, as he needs some time to get everyone positioned. You can call him at 762-5074, or see him at the April club meetings. The April 15 meeting will be devoted to Marathon preparations and is a must for all participants. In addition to instructions, you will receive identification you will need on race day.

Don't be just a spectator, be a participant in the Boston Marathon! ☐

Hearabouts....

Two bills have been introduced into the Massachusetts House of Representatives in an attempt to lower the cost of Amateur Radio license plates for your car. Let your representative know you support these bills by telling him so on a QSL card. Further details at the back of the issue. ☐

MEETINGS THIS MONTH: _____

April 1, 1982, at 7:30 pm

April 15, 1982, at 7:30 pm

Intermediate Bldg., Wellesley Hills, Mass.

Wonder Abouts...

Bet you didn't know that BNC stands for Bayonet Neill-Concelman. Paul Neill and Carl Concelman, both engineers at Bell Labs, invented this famous connector. Paul, incidentally, also invented the Type N connector, and Carl the lesser known Type C--used mostly in aircraft and avionics.

There's also an HN (high-voltage type N), an SC or Screw C, and a threaded version of the ubiquitous BNC called TNC. Learn something new every day!

--Hughes El Segundo ARC via Worldradio

THE WESTLINK REPORT THE AMATEUR RADIO NEWSLETTER

Transmitters causing interference in the 440 MHz region have been hunted down by Santa Barbara, California area Amateurs. These devices, which may be either locators for off-shore oil drilling or "sounders" for oil exploration, were noted causing RFI as far as 60 miles away. At least one of these transmitters was found on a U.S. Coast and Geodetic Survey concrete benchmark along the Southern California coastline, completely unattended. Some Amateurs feel these devices may pose a public safety hazard as well as disrupting UHF communications.

What is not known is to whom these units belong and what purpose they serve. The FCC has reportedly been informed of their existence. At least one, unverified rumor claims these are part of many such devices that will eventually run the length of both main coastlines.

Westlink Report, March 12, 1982

ARRL's board of directors met on March 18-19 to select a new President and General Manager to replace Harry Dannals, W2HD and Richard Baldwin, W1RU who are retiring from these posts shortly.

We want to thank Richard Baldwin and Harry Dannals for their many years of dedication to the growth and devel-

opment of the Amateur Service and the American Radio Relay League. On behalf of many Amateurs around the world, we offer you both our sincere wishes for happiness and success in any future endeavors.

Westlink Report, March 12, 1982

Auctions / Flea Markets

April 17: Our own W.A.R.S. annual auction to be held at the Wellesley High School. Set up starts at 9:00 am, check-in at 10:00 and the auction itself at 11:00. Plan on being there early; many hands make light work....

April 18: Minute Man Repeater Association (MMRA) flea market at the Marlboro Junior High School on Rice Street in Marlboro. Doors open at 10:00 am.

April 25: South Shore ARC will hold an indoor flea market from 11:00 am to 4:00 pm at the Viking Club, 410 Quincy Avenue (Route 53), East Braintree, next to the Quintree Mall. Tables are \$8.00 and general admission \$1.00.

May 1: QRA flea market, to be held at the South Hall Fire Station, corner Salem and Summer Streets, Lynnfield. Doors open from 9:00 am to 4:00 pm.

Tables are \$5.00 and general admission is \$1.00. Talk-in on 19/79 or 52/52.

May 2: P.V.R.A. flea market, George Penny High School, Forbs Street, East Hartford, Conn. Doors open from 10:00 am to 5:00 pm. Tables \$8.50, general admission \$1.00

May 2: New England Amateur Television Group (NEAT) flea market to be held at Freeport Hall Parking lot, Dorchester. Gates open at 7:00 am for sellers and 8:00 am for buyers. Admission is \$1.00 for buyers and \$5.00 for sellers. Talk in on 144.69/145.29 and 146.52.

May 8: 9th annual Hoss Traders tailgate swapfest, Deerfield Fair Grounds, Deerfield, N.H. \$1.00 admission for everyone. Talk-in on 146.40/147.00 and 146.52.

May 15: 76 Flea Market and auction, at Steeres Beach Club, Waterman Lake, Greenville, R.I. Flea Market from 9:00 am to noon, auction from noon on.

May 16: Eastern Mass. A.R.A. flea market, Webster, Mass. □

The Spark Gap

Official Journal of the Wellesley Amateur Radio Society



EDITOR-IN-CHIEF:

NELS J. ANDERSON, K1UR
32 WESTGATE ROAD, APT. 6
CHESTNUT HILL, MASS. 02167
323-5029

THE "SPARK GAP" IS A MONTHLY PUBLICATION OF THE WELLESLEY AMATEUR RADIO SOCIETY. ITS PRIMARY PURPOSE IS TO KEEP ITS MEMBERS ABREAST OF CURRENT HAPPENINGS, P.C.C. RULES & REGULATIONS CHANGES, AND TO LIST EQUIPMENT OFFERED FOR SALE OR TRADE BY MEMBERS. MEMBERS ARE ENCOURAGED TO CONTRIBUTE TO THE "SPARK GAP" AND MAY SENT THEIR ARTICLES (TYPEWRITTEN IF POSSIBLE) TO THE EDITOR-IN-CHIEF OR TO THE CLUB ADDRESS.

THE WELLESLEY AMATEUR RADIO SOCIETY IS A NON-PROFIT ORGANIZATION DEDICATED TO THE PROMOTION OF AMATEUR RADIO THROUGH INSTRUCTION, FELLOWSHIP, DEMONSTRATION, AND ENCOURAGEMENT OF PARTICIPATION. ANNUAL MEMBERSHIP IN THE SOCIETY IS \$8. THE CLUB YEAR RUNS SEPTEMBER 1 TO AUGUST 31. AMATEUR NOVICE AND GENERAL CLASSES ARE CONDUCTED REGULARLY AT NO COST. TO ENROLL IN A CLASS, OR GAIN INFORMATION ABOUT THE SOCIETY IN GENERAL, WRITE:

THE WELLESLEY AMATEUR RADIO SOCIETY
324 WASHINGTON STREET
WELLESLEY HILLS, MASS. 02181



Minutes

Meeting of March 4, 1982:

The meeting was opened at 7:47 pm by President David Curry, K1TK, with 13 members present.

The secretary's report was read.

The treasurer, C.J. McDonald, WB1BUM, gave a semi-annual report on the budget, going over expenditures under each category of the budget.

As a result of the budget presentation, Bill Hanlon, N1ADY, moved that C.J. McDonald, WB1BUM, be reimbursed for \$4.19 that he had paid for gas for the VHF contest over the budgeted amount. Motion carried 12-0.

The state of the auction preparations was discussed. The school department has raised their fees, so we will negotiate with them about dropping some of the charges.

Newton-Wellesley Hospital wants us to move the repeater. Dick Paret, WA1ZLQ, went over new sites with them

and we will be moving to an elevator service room which is directly below our antenna. This room actually has better access, by elevator rather than seven flights of stairs, than the old room. They are also finally finishing the roof repairs so our tower will be going up probably within the next month.

C.J. McDonald, WB1BUM, moved that we allocate a maximum of \$250 for a capital fund expenditure to purchase a permanent antenna for the hospital repeater site. Motion passed 12-1.

Sign ups are now being requested for the BAA Marathon, August 19.

A discussion of Field Day sites was held. No one seems to have a strong preference, but Mt. Wachusett was suggested as a good site that is not too far away and permission for this site will be investigated.

The meeting was closed at 9:13 pm.□

hr REPORT

Expansion of facsimile (A4/F4) and television (A5/F5) on most hf phone bands as outlined in P.R. Docket 80-252 became effective on February 22. The overall effect of this rule change will be to permit operation of these modes in most spectrum where radiotelephone is now authorized.

hr Report, January 29, 1982□

OFFICERS

PRESIDENT:

David Curry, K1TK, 237-2450

VICE PRESIDENT:

Dick Paret, WA1ZLQ, 762-5074

TREASURER:

C.J. McDonald, WB1BUM, 332-6091

RECORDING SECRETARY:

Neld Anderson, K1UR, 323-5029

FUND RAISING:

Kevin Kelly, WA1YHV, 242-0341

OPERATING ACTIVITIES:

David Kent, N2AWG, 756-5325

KAP'S COLUMN

by Jordan Kaplan, W9QKE

--"The Circuit Board", York Radio Club
via ARNS

Every time I attend an auction at the local radio club, I am amazed at the variety of items brought to the meeting. There is no relationship between the value of the items at an auction and the interest in those items by the people attending.

In fact it seems that some of the better items brought in have the least amount of interest generated. Oh, sure if the item on the block is of late design, and is solid state with a nice cabinet, the bidding becomes spirited. However, if the item is of tube design at least 10 to 15 years old, in very good condition, sold originally for between 300 and 500 dollars, and has a reputation for being a dependable piece of electronic equipment, it is still possible that the price may be only five dollars. That is, if any price is mentioned at all.

The other category at these auctions is the accessory item. This takes in microphones, headsets, CW keys, etc. The price for these items varies not with their actual value in today's market, but to a large part it seems the most money is paid for those items in this category that have good styling.

That's right. A high quality microphone that is a rather plain type brings a low price, but a microphone in a highly styled case gets top dollar. A bug that had a very good reputation gets left on the table, while the chrome copy of the original is sold at a fair price.

All in all, the quality of items brought to auction these days is falling. If you have something that you no longer have use for, and would like to bring it to the next auction, ask yourself if the item would be of interest to you if it were put up for bid.

Some people bring not the junk from the shack, but items that should have been thrown out as garbage. In some cases the garbage men would have pass-

ed them up!

By the way, tube testers seem to be the most unwanted items at auction. It's hard to understand, since the price being bid makes these devices very attractive buy. There are still large amounts of tube gear that could make good use of the testers.

The old saying that you can't tell the players without a scorecard is becoming true in Amateur Radio today. We are all aware of the imported radios from the Far East, and the U.S. brands that we see in the market these days. But just because the radio is sold by a U.S. firm is no guarantee that it is in fact made here. A few examples are the Drake Theta 700E communications terminal. It states "R.L. Drake Company in Ohio," but it is made in Japan by TONO. The Hal Telereader 685-A is the TONO CWR 685 Telereader from Japan. Even items that we know are made in Japan have their names changed for U.S. sales. FDK makes a 2 meter rig in Japan sold here as Santec.

When you go to buy a new rig, be sure to open it up and check the small print on the case to see if it is the rig you thought it was.

THE
WESTLINK REPORT
THE AMATEUR RADIO NEWSLETTER

The Commission has denied a Petition for Reconsideration on its recent relaxation of the Amateur identification rules (P.R. Docket 80-136). The petitioner wanted a change in the wording of the new I.D. rules but the FCC ordered the new rules to stand as implemented. Also denied were RM-3137 which would have raised the power limits on parts of the 2 meter and 3/4 meter bands up to 2 kW D.C. (in order to encourage more EME communications; and RM-3181, a proposal to reduce legal power limits of HF radio telegraphy from 1 kW to 250 watts.

Westlink Report, February 26, 1982

by Ray Shoop, N1CW
--FARA "FramingHam"

Contrary to popular belief, computers are very simple and serious devices. They must be. I have decided to give you some serious inside information so you can speak with these machines on their own level.

A computer consists of three main parts: a CPU (continuous pulverizing unit), memory (not like mine, it's supposed to remember things), and an I.O. device (idiot operated device, like a telegraph key or a two meter rig).

There is a fourth part, the program, commonly called "software" (so called because of the soft-headed person who wrote it).

Now, let us take one part at a time.

The memory stores the program; the CPU chews it up, and the I.O. device spits it out (sounds like the chow at Field Day).

The program is a series (meaning one following the other, not a bunch at the same time) of instructions that tell the computer what you want it to do. The CPU knows what you want it to do by looking at three things: bits, bytes and words.

A "bit" is what you get if you poke your fingers in the wrong place. A "byte" is what you do to your fingernails when you test a program for the first time. A "word" is what you say when all that blue smoke comes up from the box when power is applied. If you look at a program, it will look like a mess of meaningless numbers and characters. Don't let anyone fool you, it is! It's just there to make it look like there is something to it. It's really all done by magic.

The program is stuffed into memory by some miraculous means and then the pulverizer knows what to do. When you press a key on the "idiot operated device", with a large soldering iron set to medium temperature, the CPU does

funny things, such as whirr, click, screech, etc. and, ****waa-la**** the "idiot operated device" prints something usually not what you wanted it to do or expected it to print:

There are many types of I.O. devices. The most common are: the ever faithful A.S.R. 33 telegarbage built at the Chicago stock yards, tape (the XYL's stereo tape, masking tape or plastic tape) and the disc (LP, frisbee, pizza pan, etc.). Let us not forget cards either (poker, black jack, etc.).

So there it is gang. I told you it was "simple". Now you can get in there with the gang and keep up (or down as the case may be). Just try not to go in too deep. Just remember we are all on temporary leave from Westboro Mental Hospital and too much of this could cause a relapse....

THE WESTLINK REPORT

THE AMATEUR RADIO NEWSLETTER

Dick Bash, KL7IHP, may be ready to take on the ARRL and possibly 73 Magazine over their advertizing policies which prevent his firm "Bash Educational Services" from running advertisements for his "Final Exam" Q & A manual in League publications and 73 Magazine. The ARRL turned down his last request to run ads in January, and he has now turned the matter over to his attorney for follow-up. We have been unable to reach Bash by phone for comment. Thanks W5YI, others.

Westlink Report, February 26, 1982

The Knoxville World's Fair will have a working Amateur station. A corporation to administer its operation has been set up by Steve Kerchel, AA4AK. Thanks Knox County A.R.C.

Westlink Report, February 26, 1982

Westlink Report is the successor of
hr Report which was recently sold.
Westlink has been running a news ser-
vice for Amateur Radio based in Calif-
ornia for some time and has been shar-
ing some information with the old hr
Report. □

License Plates

Two bills have been introduced recently into the Massachusetts House of Representatives in an attempt to reduce the cost of Amateur Radio license plates for cars. The first, HB-4175, proposed lowering the rate to \$10.00 per year, the same as a standard license plate. The second, HB-1981, proposes a rate of \$12.00 which would be the regular rate plus a \$2.00 surcharge.

At the present, Amateur Radio plates cost \$20.00 per year which is twice the regular rate, but until a few years ago the cost was only \$2.00 over the regular rate. Thus, HB-1981 is a compromise in which the previous rate structure would be reinstituted, while HB-4175 is the preferred bill.

Although most people don't think about it much, ham plates can be useful in an emergency operation (i.e., Blizzard of '78) as a means of identification. Because of this it is felt justified that no extra charge be incurred for having these plates. They are not vanity plates, though they have a similar extra expense.

Whether or not you currently have Amateur Radio plates on your car, you can help out by writing your Representative. The organizers behind these bills suggest you send your QSL card (make sure it has your complete name and address) with a brief statement to the effect that you support House bills HB-4175 and HB-1981. A list of some of the local representatives is printed below. Additional information can be obtained by calling the Citizen Information Service at 1-800-392-6090. If you live in Wellesley, address your card as follows:

Honorable Royall H. Switzler
State House
Boston, Mass. 02133

All others should address their cards in a similar manner, substituting the appropriate name. This really does not require a big effort on your part, so write your Representative today! ☐

LOCAL REPRESENTATIVES:

Ashland:

Andrew J. Rogers, Jr.
Andrew S. Natsios

Dedham:

Deborah R. Cochran

Dover:

Ellen M. Canavan

Framingham:

Barbara E. Gray
Louis R. Nickinello
Andrew J. Rogers, Jr.

Natick:

Louis R. Nickinello

Needham:

Ellen M. Canavan

Newton:

A. Joseph DeNucci
David B. Cohen
Susan D. Schur

Norwood:

Gregory William Sullivan

Sudbury:

Lucile P. Hicks

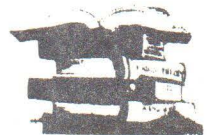
Wayland:

Lucile P. Hicks

Weston:

Royall H. Switzler

education corner



The fall Novice class has been completed with one successful graduate. Our new Novice is Harry Kessinger who now sports the callsign KA1IJM. Congratulations! Thanks to Art Thompson, KA1ENP, for teaching the class.

Art will be teaching a spring Novice class as well, to be held Tuesday nights at 7:00 pm with the first class on March 29. If you know of anyone who would be interested in this class have them stop down on Tuesday nights or for more information, call Art at 235-5509. ☐

ARRL PRESIDENT

Late word on the ARRL Directors meeting is that V.C. Clark, W4KFC, has been elected the new President of the ARRL. Thanks WA1TBY. ☐

NAME	CALL	ADDRESS	CITY	ST	ZIP	PHONE
MICHAEL ADLERSTEIN	KIFB	24 BOBOLINK RD	WELLESLEY	MA	02181 (	)235-1130
NELS ANDERSON	KIUR	APT. 6 32 WESTGATE RD.	CHESTNUT HILL	MA	02167 (	)323-5029
GEORGE E ANDREWS	WBIFEE	291 NEHOIDEN ST	NEEDHAM	MA	02192 (	)444-3808
JOHN BERNARDO	WA2YHV	77 WHITTIER RD.	WELLESLEY HILLS	MA	02181	
PETER M. BRADLEY	NIADX	200 E. MAIN STREET	WESTBORO	MA	01581 (	)366-2511
THOMAS M. BURTON	NIBCQ	61 WHITTIER ROAD	WELLESLEY	MA	02181 (	)235-6353
FRANK P CALLAHAN	NIACO	3 HOBBS BROOK RD	WESTON	MA	02193 (	)894-3407
WING S. CHOY	KA1BHZ	197 CHISWICK RD	BRIGHTON	MA	02135 (	)254-4675
MORTON D. COHAN	KAIU	16 ORIOLE ROAD	MEDFIELD	MA	02052 (	)482-2700
DAVID CURRY	KITK	BOX 1149, W.P.I.	WORCESTER	MA	01609 (	)237-2450
SAUL B. DINMAN	KIPDX	27 ALDEN RD	WAYLAND	MA	01778 (	)358-2519
NICHOLAS R. FINAMORE		30 MEADOWBROOK CIR.	SUDBURY	MA	01776	
TONY FUSCO	WBIFTD	69 MALLARD WAY	WALTHAM	MA	02154 (	)893-3398
EDWARD F GALLAGHER		87 BEAUFORT AVE	NEEDHAM	MA	02192 (	)449-1718
DAVID G. GOLDMAN	WIYSW	26 PRISCILLA CIRCLE	WELLESLEY	MA	02181 (	)235-6259
NATHAN HALLENSTEIN	WIJMA	5 BLUEBIRD RD	WELLESLEY	MA	02181 (	)235-8572
WILLIAM HANLON	NIADY	49 VINE ST	WRENTHAM	MA	02093 (	)384-8056
SALLY HANLON		49 VINE STREET	WRENTHAM	MA	02093 (	)384-8056
LAURA HANLON	KA1EAQ	49 VINE STREET	WRENTHAM	MA	02093 (	)384-8056
JIM HATHERLEY	WA1TBY	46 HOBSON ST	BRIGHTON	MA	02135 (	)254-6042
KEVIN KELLY	WA1YHV	7 LAWNWOOD PL	CHARLESTOWN	MA	02129 (	)242-0341
DAVID L. KENT	N2AWG	W.P.I. CAMPUS BOX 22	WORCESTER	MA	01609	
GEORGE KNIGHT		117 FAIRFIELD STREET	NEEDHAM	MA	02192 (	)449-0298
WALTER LENK	KIYTY	22 PRISCILLA CIRCLE	WELLESLEY	MA	02181 (	)237-9289
THEODORE LEVIN	WB1CFC	5133-C LAKEFRONT BLVD.	DELRAY BEACH	FL	33445 (305)	742-6453
CARLISLE LEVINE	WB1ECK	1921 COMMONWEALTH AV	AUBURNDALE	MA	02166 (	)244-3818
RICHARD V. MAGNANTI	AK1I	80 KINGSBURY ST	WELLESLEY	MA	02181 (	)235-6371
HELEN J. MC DADE	WILMU	194 WINSLOW ROAD	WABAN	MA	02168 (	)527-4269
CHARLES MCDONALD	WB1BUM	48 HALE ST	NEWTON	MA	02164 (	)332-6091
DENNIS T MCDONALD	WB1EBW	BRIDON MARINE ROAD TOWN	TORTOLA, BVI			
DAVID S. MCLELLAN	KA1HCM	77 CHESTNUT ST.	WESTON	MA		
STEPHEN N. MILLER	KAIU	22 SADDLE CLUB ROAD	LEXINGTON	MA	02173 (	)862-9096
SCOTT NACEY	WA1YOJ	BOX 739 W.P.I.	WORCESTER	MA	01609	
JOHN J. O'BRIEN	NI1AWX	100 WEST ST.	SOUTH WEYMOUTH	MA	02188 (	)335-3751
JAMES O'CONNER	WIMIC	84 PRINCE ST	NEEDHAM	MA	02192 (	)449-1936
RICHARD PARET	WA1ZLQ	35 PHILLIPS AVE	NORWOOD	MA	02062 (	)762-5074
THOMAS RILEY	WB1BUN	50 HALE ST	NEWTON	MA	02164 (	)244-3239
RICHARD RUGGIERO	WA1ZLN	11 AVON STREET	NATICK	MA	01760 (	)655-1928
PHILIP N. SAVAGE		35 MC CARTHY RD.	NEWTON CENTER	MA	02159	
SKID SCHERMERHORN	W1TTY	11 CHESTNUT STREET	WELLESLEY	MA	02181 (	)235-1987
DAVID SMITH	K1BSO	35 KINGSWOOD RD	AUBURNDALE	MA	02166 (	)965-2463
CHARLES W. STEVENS	KA1DHV	249 MAIN STREET	COCHITUATE	MA	01778 (	)653-8421
JOHN H. TAYLOR	KA2KUJ	77 WHITTIER RD.	WELLESLEY HILLS	MA	02181	
ARTHUR THOMPSON	KA1ENP	44 WINDEMERE	WELLESLEY	MA	02181 (	)235-5509
ERIK J THORESEN	K1OGF	28 LOOKOUT AVE	NATICK	MA	01760 (	)653-1216
JOHN TURELL	WA1ZLO	18 CLEVELAND RD	WELLESLEY	MA	02181 (	)235-6742
KENNETH VEZNAIAN	WB1FCY	185 FELLSWAY WEST	MEDFORD	MA	02155 (	)395-5959
ROBERT WOODBURY	K1ZL	12 MEADOWBROOK RD	DOVER	MA	02030 (	)785-1423
GEORGE YOUNG	WA1YAU	5 ABBOTT ST. APT. 1	WELLESLEY	MA	02181 (	)237-2082

The Spark Gap



**WELLESLEY
AMATEUR RADIO
SOCIETY**

324 Washington Street
Wellesley Hills, Massachusetts 02181

FIRST CLASS MAIL